



The Honorable Frank LoBiondo  
2427 Rayburn House Office Building  
Washington, DC 20515

Dear Congressman LoBiondo:

I am writing to respectfully ask that you request the Software Lifecycle Affordability Management (SLAM) in the FY 10 National Defense Authorization Act and the FY 10 Department of Defense Appropriations Bill.

The ability to trade capabilities, risk, schedule, and cost in software system design and affordability simulations related to Service Oriented Architecture (SOA) is a critical capability to reduce wasteful spending of federal funds on military programs and eliminate the potential for a Nunn-McCurdy cost breach.

The Software Lifecycle Affordability Management (SLAM) project provides decision makers a means to understand cost tradeoffs in relation to both performance and Total Cost of Ownership (TCO). Development of the SLAM SOA cost (SOA-CM) model enables the Army to determine which software lifecycle design/strategies realizes the greatest number of capabilities for the lowest possible cost, following the best possible schedule. As the US Army does not have a capability like SLAM, we expect a reduction in the time it takes to prepare these type of analysis from about six months to just one day.

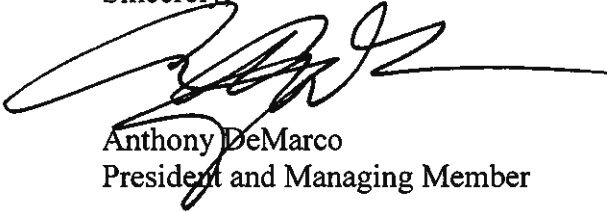
The U.S. Army CERDEC Command and Control Directorate (C2D) is the center of the development of the Army's SOA strategy and systems. CERDEC is currently working to better understand the affordability and business issues related to Service Oriented Architecture (SOA), and guidance for using existing and emerging technologies to manage these issues. Specifically, affordability management initiatives such as SLAM have wide ranging applicability for saving millions of dollars related to the development of software and information. This is especially critical as new initiatives such as SOA which addresses not only the Army's, but DoD's most pressing goals –increasing application interoperability without funding risky replacement projects emerges as a prevalent technology.

Funding in FY08 was used to perform basic research that lead to an understanding of the affordability and business issues related to C4ISR and Service Oriented Architecture (SOA). The team is providing actionable guidance and methodology for using SOA technologies to manage affordability issues to US Army CERDEC. FY09 funding will be used to provide both the US Army and DoD a prototype (alpha) SOA Cost model (SOA-CM) that will implement the research performed in 2008. This will provide decision makers actionable ability to fully understand the impact of software design decisions on O&M profiles early in the lifecycle. Further funding is needed to deliver a fully viable SOA-Cost Model with interoperability to other engineering tools to the Army and DoD. As the Army does not have an interoperable affordability simulation tool, we expect a reduction in the time it takes to prepare affordability

analysis from typically six months to just one day. Therefore, I respectfully request that you ask the Armed Services and Appropriations Committee to provide \$5 million for the Software Lifecycle Affordability Management (SLAM) in RDT&E, Army, Line \_\_\_, PE 0603772A, "Advanced Tactical Computer Science and Sensor Technology."

Thank you for your assistance with this important national security matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Anthony DeMarco", with a long horizontal line extending to the right.

Anthony DeMarco  
President and Managing Member